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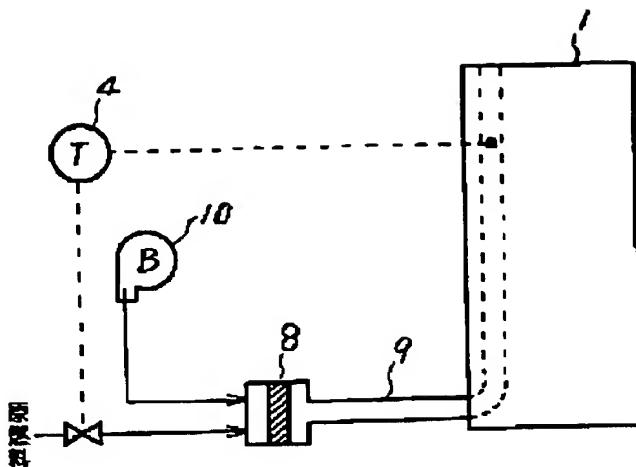
APPLICATION DATE : 17-12-93
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TITLE : HEAT RETAINING METHOD FOR FUEL CELL



ABSTRACT : PURPOSE: To retain the heat of a fuel cell without requiring an external power source by burning the starting fuel for plant operation during the stop of a fuel cell power plant to perform the heat retaining operation of equipment having a possibility of freeze.

CONSTITUTION: During the stop of a fuel cell power plant, the material fuel used for plant operation is supplied to a combustor 8 together with the air from a blower 10, and burnt. As this combustor 8, a low temperature catalytic combustor or burner combustor is properly used. The high temperature combustion gas generated here is passed through a piping 9 in a fuel cell body 1 to perform the heat retaining operation of an equipment having a possibility of freeze, for example, a position using phosphoric acid whose freezing temperature is about 50°C.

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